

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\  
 Data File : BF095107.D  
 Acq On : 12 May 2017 9:07  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 12 13:55:38 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 115   | -0.03    |
| 2    | 1,4-Dioxane                 | 0.588 | 0.580 | 1.4   | 120   | -0.08    |
| 3    | Pyridine                    | 1.364 | 1.250 | 8.4   | 109   | -0.07    |
| 4    | n-Nitrosodimethylamine      | 0.568 | 0.491 | 13.6  | 104   | -0.06    |
| 5 S  | 2-Fluorophenol              | 1.200 | 1.147 | 4.4   | 111   | -0.04    |
| 6    | Aniline                     | 1.817 | 1.942 | -6.9  | 118   | -0.02    |
| 7 S  | Phenol-d6                   | 1.439 | 1.470 | -2.2  | 118   | -0.02    |
| 8    | 2-Chlorophenol              | 1.365 | 1.428 | -4.6  | 122   | -0.02    |
| 9    | Benzaldehyde                | 0.879 | 0.871 | 0.9   | 113   | -0.02    |
| 10 C | Phenol                      | 1.517 | 1.506 | 0.7   | 115   | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.252 | 1.269 | -1.4  | 117   | -0.03    |
| 12   | 1,3-Dichlorobenzene         | 1.549 | 1.553 | -0.3  | 124   | -0.04    |
| 13 C | 1,4-Dichlorobenzene         | 1.571 | 1.583 | -0.8  | 116   | -0.03    |
| 14   | 1,2-Dichlorobenzene         | 1.466 | 1.491 | -1.7  | 119   | -0.04    |
| 15   | Benzyl Alcohol              | 0.926 | 1.071 | -15.7 | 128   | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.772 | 1.694 | 4.4   | 114   | -0.02    |
| 17   | 2-Methylphenol              | 1.117 | 1.122 | -0.4  | 121   | -0.02    |
| 18   | Hexachloroethane            | 0.532 | 0.509 | 4.3   | 109   | -0.04    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.973 | 0.990 | -1.7  | 120   | -0.02    |
| 20   | 3+4-Methylphenols           | 1.518 | 1.546 | -1.8  | 118   | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 112   | -0.03    |
| 22   | Acetophenone                | 0.480 | 0.488 | -1.7  | 116   | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.317 | 0.330 | -4.1  | 116   | -0.02    |
| 24   | Nitrobenzene                | 0.332 | 0.334 | -0.6  | 116   | -0.02    |
| 25   | Isophorone                  | 0.566 | 0.592 | -4.6  | 118   | -0.02    |
| 26 C | 2-Nitrophenol               | 0.179 | 0.182 | -1.7  | 112   | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.290 | 0.299 | -3.1  | 120   | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.392 | 0.418 | -6.6  | 121   | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.274 | 0.288 | -5.1  | 123   | -0.02    |
| 30   | 1,2,4-Trichlorobenzene      | 0.293 | 0.300 | -2.4  | 118   | -0.02    |
| 31   | Naphthalene                 | 1.005 | 1.021 | -1.6  | 117   | -0.03    |
| 32   | Benzoic acid                | 0.177 | 0.038 | 78.5# | 25#   | -0.05    |
| 33   | 4-Chloroaniline             | 0.375 | 0.373 | 0.5   | 112   | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.155 | 0.143 | 7.7   | 106   | -0.04    |
| 35   | Caprolactam                 | 0.082 | 0.086 | -4.9  | 114   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.293 | 0.311 | -6.1  | 120   | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.660 | 0.692 | -4.8  | 121   | -0.03    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 121   | -0.03    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.615 | 0.599 | 2.6   | 112   | -0.03    |
| 40 P | Hexachlorocyclopentadiene   | 0.221 | 0.161 | 27.1# | 81    | -0.04    |
| 41 S | 2,4,6-Tribromophenol        | 0.164 | 0.153 | 6.7   | 106   | -0.03    |
| 42 C | 2,4,6-Trichlorophenol       | 0.411 | 0.425 | -3.4  | 120   | -0.02    |
| 43   | 2,4,5-Trichlorophenol       | 0.441 | 0.404 | 8.4   | 105   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.390 | 1.305 | 6.1   | 111   | -0.03    |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvqRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.684 | 1.640  | 2.6   | 112   | -0.03    |
| 46   | 2-Chloronaphthalene        | 1.360 | 1.227  | 9.8   | 107   | -0.02    |
| 47   | 2-Nitroaniline             | 0.372 | 0.362  | 2.7   | 116   | -0.02    |
| 48   | Acenaphthylene             | 2.130 | 2.060  | 3.3   | 114   | -0.03    |
| 49   | Dimethylphthalate          | 1.642 | 1.598  | 2.7   | 114   | -0.03    |
| 50   | 2,6-Dinitrotoluene         | 0.335 | 0.342  | -2.1  | 118   | -0.02    |
| 51 C | Acenaphthene               | 1.272 | 1.248  | 1.9   | 116   | -0.03    |
| 52   | 3-Nitroaniline             | 0.360 | 0.389  | -8.1  | 125   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.156 | 0.008# | 94.9# | 6#    | 0.06     |
| 54   | Dibenzofuran               | 1.760 | 1.876  | -6.6  | 128   | -0.03    |
| 55 P | 4-Nitrophenol              | 0.216 | 0.167  | 22.7  | 85    | 0.02     |
| 56   | 2,4-Dinitrotoluene         | 0.430 | 0.482  | -12.1 | 128   | 0.00     |
| 57   | Fluorene                   | 1.531 | 1.466  | 4.2   | 117   | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.278 | 0.276  | 0.7   | 118   | -0.02    |
| 59   | Diethylphthalate           | 1.574 | 1.588  | -0.9  | 123   | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 0.673 | 0.676  | -0.4  | 118   | -0.03    |
| 61   | 4-Nitroaniline             | 0.330 | 0.354  | -7.3  | 128   | 0.00     |
| 62   | Azobenzene                 | 1.265 | 1.305  | -3.2  | 119   | -0.03    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000  | 0.0   | 111   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.134 | 0.028  | 79.1# | 23#   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.726 | 0.757  | -4.3  | 117   | -0.03    |
| 66   | 4-Bromophenyl-phenylether  | 0.211 | 0.209  | 0.9   | 108   | -0.04    |
| 67   | Hexachlorobenzene          | 0.217 | 0.216  | 0.5   | 111   | -0.02    |
| 68   | Atrazine                   | 0.205 | 0.209  | -2.0  | 119   | -0.02    |
| 69 C | Pentachlorophenol          | 0.085 | 0.046  | 45.9# | 63    | -0.01    |
| 70   | Phenanthrene               | 1.149 | 1.142  | 0.6   | 113   | -0.03    |
| 71   | Anthracene                 | 1.174 | 1.203  | -2.5  | 115   | -0.02    |
| 72   | Carbazole                  | 1.068 | 1.161  | -8.7  | 124   | -0.02    |
| 73   | Di-n-butylphthalate        | 1.332 | 1.571  | -17.9 | 130   | -0.03    |
| 74 C | Fluoranthene               | 1.179 | 1.255  | -6.4  | 118   | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000  | 0.0   | 100   | -0.02    |
| 76   | Benzidine                  | 0.465 | 0.357  | 23.2  | 67    | -0.01    |
| 77   | Pyrene                     | 1.496 | 1.651  | -10.4 | 109   | -0.02    |
| 78 S | Terphenyl-d14              | 0.908 | 0.953  | -5.0  | 105   | -0.03    |
| 79   | Butylbenzylphthalate       | 0.696 | 0.860  | -23.6 | 121   | -0.03    |
| 80   | Benzo(a)anthracene         | 1.164 | 1.204  | -3.4  | 103   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.402 | 0.362  | 10.0  | 86    | -0.02    |
| 82   | Chrysene                   | 1.125 | 1.161  | -3.2  | 102   | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.991 | 1.220  | -23.1 | 119   | -0.04    |
| 84 c | Di-n-octyl phthalate       | 1.625 | 1.865  | -14.8 | 111   | -0.04    |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.914 | 1.119  | -22.4 | 125   | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000  | 0.0   | 113   | -0.02    |
| 87   | Benzo(b)fluoranthene       | 1.236 | 1.145  | 7.4   | 96    | -0.02    |

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|------|------------------------|-------|-------|-------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.192 | 1.235 | -3.6  | 114   | -0.02    |
| 89 C | Benzo(a)pyrene         | 1.140 | 1.109 | 2.7   | 105   | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 0.942 | 1.050 | -11.5 | 124   | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 0.924 | 1.080 | -16.9 | 133   | -0.02    |

(#) = Out of Range

SPCC's out = 1 CCC's out = 1